Secure Software Development

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Chief Executive Officer

Contents

- Who We Are

- What The Market Wants

- Secure Development Service Offerings

- Q&A

Who we are

- Coveros helps organizations accelerate the delivery of secure, reliable software

- Our consulting services:
  - Build secure software from the ground up
  - Identify and remediate application security issues
  - Effectively test applications for reliability, security & performance
  - Improve software development processes

- We focus on industries with significant regulatory and compliance requirements
  - US Defense & Intelligence
  - Homeland Security and Critical Infrastructure
  - Healthcare
  - Financial services

Our market analysis

- Today's application security services primarily focus on <u>finding</u> the problems
  - Penetration testing
  - Code reviews
  - Architectural risk analysis

- "Building Security In" as implemented today is largely a security IV&V process
  - Touchpoint models focus on evaluating software artifacts, not building them securely & defensively
  - DHS BSI site has many, many articles on assessing security but not many articles on building it right from the ground up

- Organization's want more …

What organization's want

- Development techniques for building secure software from the ground up
  - Secure requirements
  - Security architectures
  - Secure design patterns
  - Defensive programming techniques
  - Secure libraries & components

- Approaches for remediating identified application security vulnerabilities through application protection AND rearchitecture / refactoring

- Hands-on training, mentoring, coaching during development on secure development techniques

- ***No increase in time to market***

Secure development services

- Secure Agile Development
  - Secure Requirements Envisioning
  - Defensive Design & development
  - Secure Agile Testing
  - Continuous Integration

- Security Remediation
  - Application Shielding & Monitoring
  - Application Refactoring

- Secure SDLC Improvement
  - Secure Agile Assessment
  - Secure Agile Improvement Program

- Secure Development Training
  - Secure Agile Awareness
  - Secure Agile design & coding
  - Secure Agile Testing

SecureAgile™ Development Process
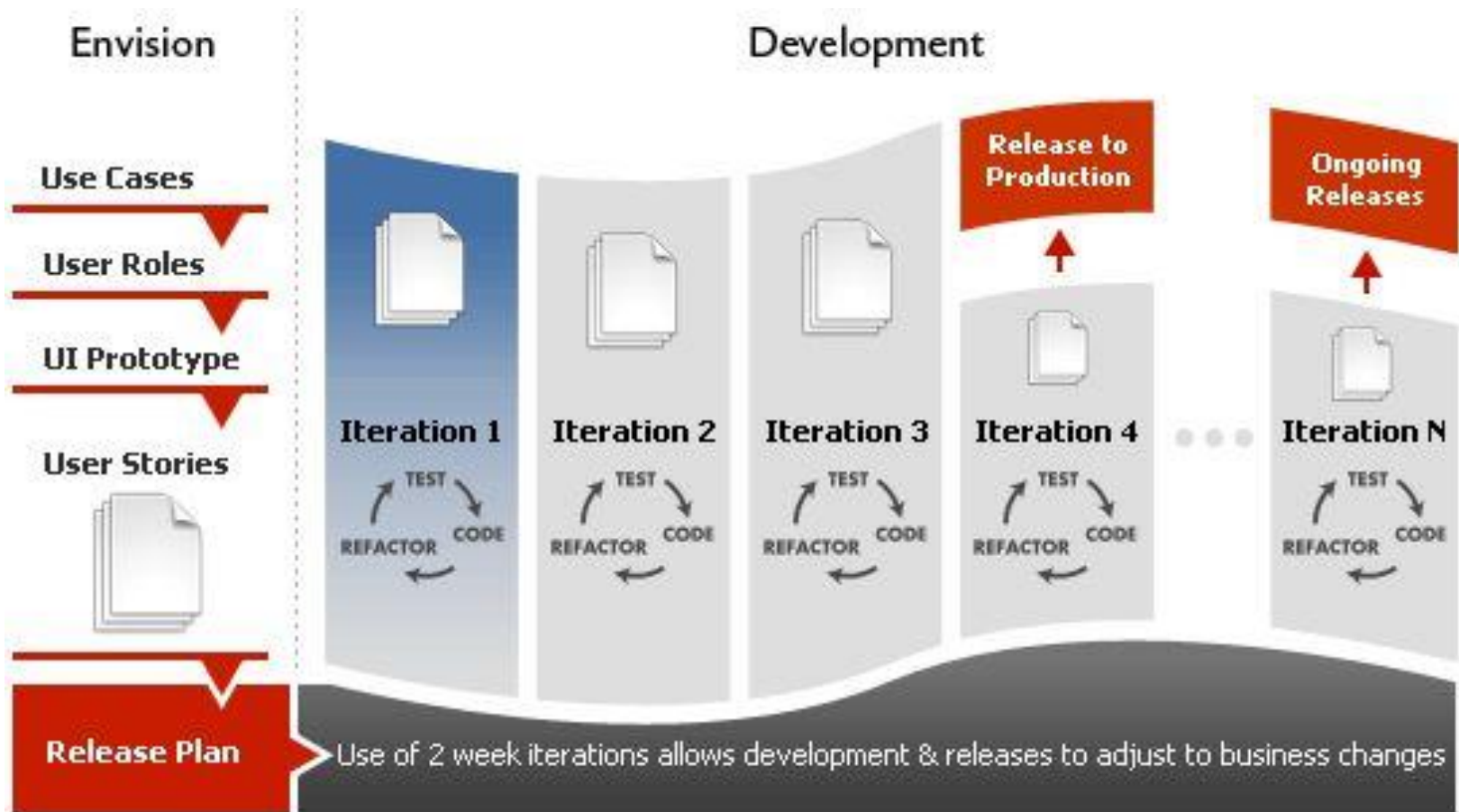
Assures time-to-market while achieving security objectives

SecureCI™ Continuous Integration

Automates build, test, deploy processes to streamline development

Questions?

Thank You